

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.yy**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000029**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 14-Dec-2006**Location:** Changxing Island, Shanghai, China

<b>Submittals(New / Total):</b>	<b>CWR's: 0 / 0</b>	<b>HSR's: 0 / 0</b>	<b>NCR's: 0 / 0</b>
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Item	Title	Detail
1	Major component movement	<p>QA observed RT film on 1G Flux Core Arc Welding (FCAW) procedure identified as HP-2006107-7. No rejectable discontinuities were observed.</p> <p>Conducted welding of the following PQR test plates:</p> <p>1G Gas Metal Arc Welding (GMAW) procedure identified as HP-2006119-5 using Supertech SM-71 electrode to AWS D1.5, Section 5.13 (Production Procedure), note ZPMC has changed to a 70% Argon, 30% CO2 gas mixture.</p> <p>Continued welding 1G Submerged Arc Welding (SAW) procedure identified as HP-2006130 on 75mm thick HPS 485W material to AWS D1.5, Section 5.13 (Production Procedure). Welding was not completed by the end of the shift and will continue tomorrow.</p>
2	Key conversations	ZPMC Engineer Mr. Chen Bin informed QA that ZPMC would be shipping the 75mm HPS 485W test plate to an outside testing laboratory for RT testing after it is completed. The outside laboratory has an Iridium 192 radiation source to perform the testing. ZPMC's on site X-ray equipment does not have sufficient penetrating abilities to test this thickness of material.
3	Other important observations	QA performed a random observation of machining operations of the 1G FCAW procedure identified as HP-2006107-7 test samples. Mechanical testing is scheduled for tomorrow.
4	Quality Assurance Inspectors per shift	2 AM 0 PM

**Inspected By:** McClary,David

Quality Assurance Inspector

**Reviewed By:** Lowry,Patrick

QA Reviewer